

BENTONE 128

BENTONE 128 organophilic clay is a viscosifier and gelling agent used in VERSA oil-based and NOVA synthetic-based systems. This amine-treated bentonite is used to increase carrying capacity and suspension properties, providing support for weight materials and improved cuttings removal. BENTONE 128 also aids in filter-cake formation and filtration control.

Typical Physical Properties

Physical appearance.....	Light tan free flowing powder
Specific gravity.....	1.8
Temperature stability.....	200°C (392°F), decomposes
Solubility.....	Practically insoluble in water

Application

BENTONE 128 is used to increase yield point, 3 RPM reading and gel strengths in VERSA oil-based and NOVA synthetic-based systems.

It has proven effective in drilling, coring, workover and completion fluids. The product is also effective in specialty applications such as casing packs, packer fluids and spotting fluids. Good agitation and sufficient shear are required to develop viscosity when using BENTONE 128 to build fresh mud. Typical concentrations range from 6 to 29 kg/m³ (2.1 to 10.2 lb/bbl) for most drilling applications, depending on the base fluid and system requirements.

BENTONE 128 will not fully yield by low shear and low temperature exposure generally provided in a mixing plant or mud pit. Care should be taken not to overtreat with BENTONE 128 until the fluid has actually circulated through the well. For system maintenance, BENTONE 128 should be added as needed to maintain the flow properties and gel strengths in the desired ranges.

Specialty applications such as packer fluid and casing packs typically use concentrations in 28 to 43 kg/m³ (9.8 to 15 lb/bbl) range.

This document is supplied solely for informational purposes and M-I LLC makes no guarantees or warranties, either expressed or implied, with respect to the accuracy and use of this data. All product warranties and guarantees shall be governed by the Standard Terms of Sale. Nothing in this document is legal advice or is a substitute for competent legal advice.

Eastern Hemisphere	Western Hemisphere
Gamle Forusvei 43	P.O. Box 42842
N-4033 Stavanger,	Houston, Texas 77242-2842
Norway	Phone: 281-561-1300
Phone: +47-51-57-73-00	Fax: 281-561-1441
Fax: +47-51-57-74-51	www.miswaco.slb.com



A Teniz Service M-I SWACO Enterprise



Advantages

- Provides gel structure and viscosity for the suspension of weight materials.
- Increases viscosity for improved hole-cleaning capacity.
- Improves filter-cake quality and filtration characteristics.
- Effective gelling agent in casing packs and packer fluid

Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

Packaging and Storage

Standard pack unit: 25-kg (55-lb) sacks. Other pack unit: on request.

Store in a dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flame. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking

This document is supplied solely for informational purposes and M-I LLC makes no guarantees or warranties, either expressed or implied, with respect to the accuracy and use of this data. All product warranties and guarantees shall be governed by the Standard Terms of Sale. Nothing in this document is legal advice or is a substitute for competent legal advice.

Eastern Hemisphere
Gamle Forusvei 43
N-4033 Stavanger,
Norway
Phone: +47-51-57-73-00
Fax: +47-51-57-74-51

Western Hemisphere
P.O. Box 42842
Houston, Texas 77242-2842
Phone: 281-561-1300
Fax: 281-561-1441
www.miswaco.slb.com



A Teniz Service M-I SWACO Enterprise

Schlumberger